American Society for Clinical Pathology International Certification Program (ASCP^{i})

ASCP & BOC History

- 1922 - American Society for Clinical Pathology (ASCP) is founded.
- 1928 - Board of Registry (BOR) is founded by ASCP.
- 2006 - Begin International Certification Program ASCP^{i}.
- 2007 - BOR is awarded accreditation by the ANSI for MT/MLS, MLT, PBT.
- 2009 - BOR and the National Credentialing Agency for Laboratory Personnel (NCA) unify to become the Board of Certification (BOC).
- 2012 - BOC awarded accreditation for all 20 exams.

About the ASCP

- One of the world's largest professional membership organization for pathologists and laboratory professionals.
- Our mission is to provide excellence in education, certification and advocacy on behalf of patients, pathologists and laboratory professionals across the globe.
- With more than 100,000 members, the society's influence has guided the application and evolution of the pathology and laboratory medicine specialty since 1922.

About the BOC

- Develops, establishes and maintains standards and procedures for individuals to enter, continue and/or advance in a career in medical laboratory science.
- Certifies through examination those individuals who meet the required education and experience criteria.
- Maintains a roster of certificants.

BOC

BOC offers a formal certification process that requires:

- Education
- Clinical Training
- Experience

AND

- **Successful Completion of the Certification Examination**

Accreditation

- ANSI (American National Standards Institute) awards accreditation to personnel certification agencies that meet the international ISO Standard 17024.

- BOC certification programs are accredited through March 9, 2017 for 20 certification examinations.

ASCPi

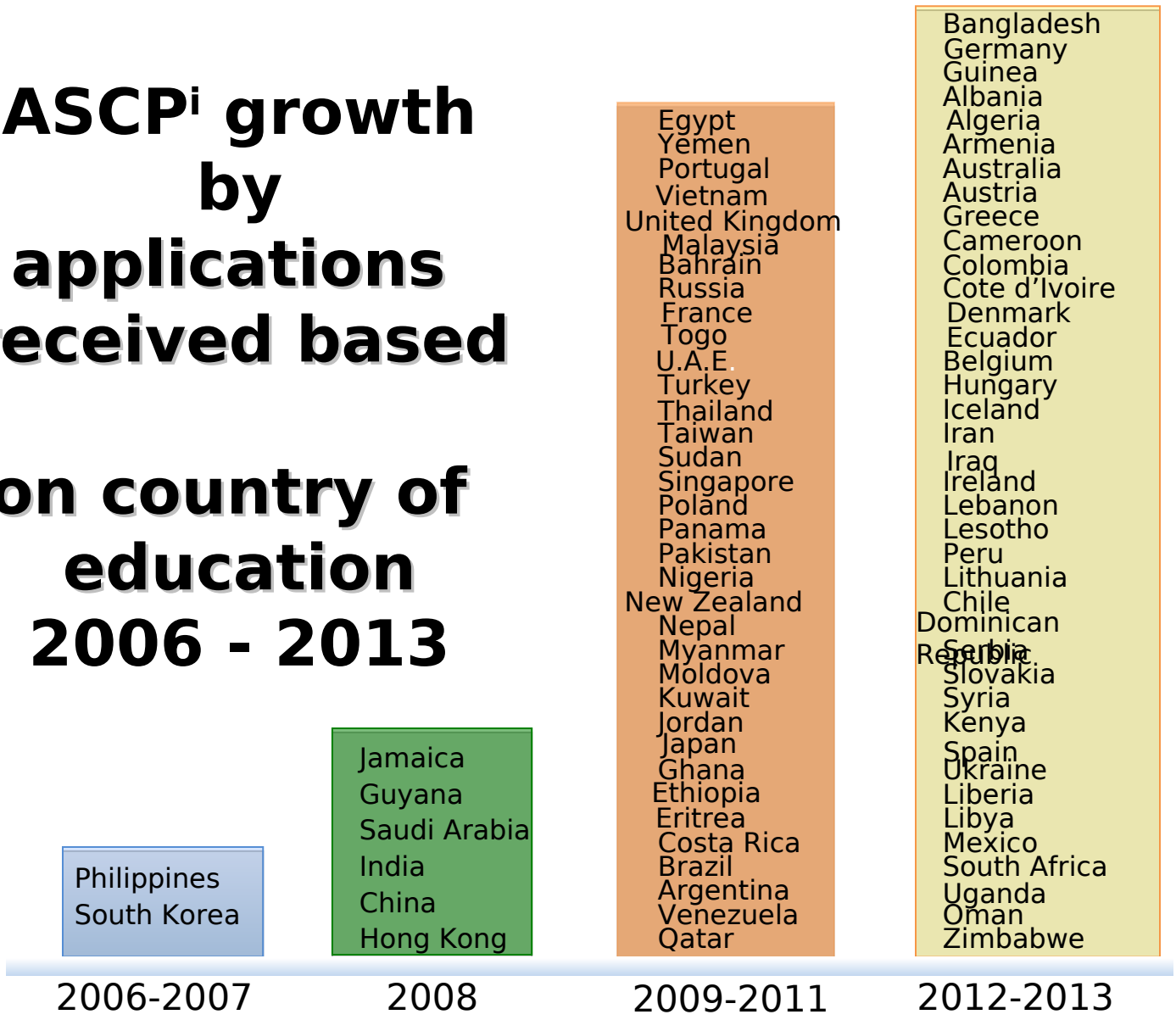
- Designed in response to global demand for a reliable healthcare system to ensure public health and patient safety and to promote high quality **international** laboratory practice standards in medical laboratories **worldwide.**

- **Confirms** that an individual has demonstrated that s/he possesses the crucial knowledge to perform essential tasks within the medical laboratory

ASCP BOC ASCP BOARD OF CERTIFICATION | ASCPi INTERNATIONAL

ASCP[i] History

ASCP[i] growth by applications received based on country of education 2006 - 2013



ASCP STRONGERTOGETHER

Applications received based on country of education

ASCP BOC ASCP BOARD OF CERTIFICATION | ASCPi INTERNATIONAL

ASCP STRONGERTOGETHER

Applications received based on country of education

Albania
Algeria
Argentina
Armenia
Australia
Austria
Bahrain
Bangladesh
Belgium
Brazil
Cameroon
Chile
China
Colombia
Costa Rica
Cote d'Ivoire
Croatia
Denmark
Dominican Rep.
Ecuador
Egypt
Lebanon
Lesotho
Liberia
Libyan Arab Jamahiriya
Lithuania
Moldova
Myanmar
Nepal
New Zealand
Nigeria
Oman
Pakistan
Palestinian Territory
Panama
Peru
Philippines
Poland
Portugal
Qatar
Russian Federation
Saudi Arabia
Serbia
Singapore
Slovakia
South Africa
Spain
Sudan
Suriname
Sweden
Syria
Taiwan
Thailand
Togo
Turkey
Uganda
Ukraine
United Arab Emirates
United Kingdom
Venezuela
Vietnam
Yemen
Zimbabwe

ASCPi Today

- Since 2006, more than 6,600 international applications have been received from 90 countries.
- Over 4,000 certifications awarded from 63 countries.

ASCP^{i} Infrastructure

International Ambassadors

- Create awareness of international certification options through ASCP^{i}

International Consortium for ASCP^{i}

- Composed of Advisory Boards, Collaborating Societies, Professional Organizations, Laboratories and Educational Institutions

Advisory Boards

- Aid in establishing and promoting ASCP^{i} in-country or within their region
- Aid in verification of applicant credentials and confirm legitimacy of

International Certification Ambassador Program

China Office

Advisory Boards

Hong Kong
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Hermia Lam
Gina Leung
Alex Leung
Marianne Leung
Bosco Yau

Japan
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Kunihiro Mimura
Hiromitsu Yokota

Korea
Kyung Jin Cho
Tae Un Kim
Young Kwon Kim
Moon Jung Shim
Hyo Chan Kang
Jang Ho Lee
Kwang Hyun Ryu
Man-Gil Yang
Chun Hee Kim

Taiwan
Tsu-Lan Wu
Yih-Hsin Chang
Kuo-Chien Tsao
Shu-Chu Shiesh
Chun-Nan Lee
Horng-Mo Lee
Chuan-Liang Kao
Hsiu-Chin Fan

Philippines Office

Advisory Boards

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Australia
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Tedla Mindaye

Uganda
Ali Elbireer

Qatar
Hassan Aziz

Egypt
Hassan Azzazy
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Magdy El Ekiaby

India
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Amar Nath Sinha
Arun Deshmukh
Pankaj Kaul
Manindra Nath Chaudhurui
Surya Dev
Arokiaraj Vincent
Dhananjay Kumar
Jignesh Dave

Jordan
Maher Sughayer
Salah Bohisi
Salwa Amarin
Randa Al Ahmed
Aktham Haddadin
Nashat Dahabra
Said Ismail
Ismail Matalka

Kuwait
Mariam Al Haj Ali
Mohammad Al-Jafar
Reem Ameen
Fatma Al-Yatama

Nigeria
Eugene I. Ikeh
Jelpe Tapdiyel
Lawrena C. Okoro
McPaul I.Jã. Okoye

Saudi Arabia
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Abdullah Al-Angery
Hanaa Salem Bamefleh
Victoria Rani Leo

Morocco
Mohamed Abdou

Pakistan
Usman Waheed

Sudan
Faisal Ibrahim
Abdel Mahmoud
Albadri Makki
Alfatih Aljafari
Naser Mohamed
Elwaleed Ibrahim
Alneil Hamza

U. A. E
Ahmad Sultan
Samir Awadallah
Mouza AlSharhan
Sumedha Sahni
Soria Sari
Hala Ibrahaim Farah Abdulrahman
Issam Mayhoub
Rana Nabulsi
Suhail Al-Salam
Mohammad Jamali

European Office

Advisory Boards

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Nikolaos Bournousouzis
Petros Papalexis
Anastasios Kriebardis
Efi Pavlou
Ioannis Zannopoulos
Ioannis Karvounis
Petros Karkalouses

Peru Office

Advisory Boards

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Uselencia Esajas, Suriname
Clio Innes, Bermuda
Harry Narine, Trinidad
Colin Roach, Guyana

Chile
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Juan José Díaz Peña
María Soledad Vidal Bustos
Macarena López
María Lucinda Nuñez

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Diana Patiño
Andreas Rothstein
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Henry Alvarez
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Susana Valladares

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Marcia Dean
Sonia Richards-Malcolm
Meredith Williams
Janice Wissart
Warren Williams
Sharon Thompson Kiddo
Paul Gyles

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Dalys de Wong
Nora Ortiz de Moreno
Gisel M De Diaz
Louanne Pearson
Mauricio Perea
Nelson Cedeño
Gemma Rohrmoser

Peru
Silvia Flores
Segundo León
Fernando Palacios
José Antonio Paredes
Carlos Penalillo
Patricia Quintana
Cecilia Padilla Salas

Trinidad
Harry Narine

Regional Representatives

- Regional ASCP BOC offices are being opened and staffed with local/regional ASCP international employees.
- Regional representatives can assist with application processing, answering questions and providing presentations on ASCPi at international meetings.
- Regional representatives provide enhanced support and communications with customers in their native language(s).

Advisory Board Responsibilities

- Aid with the verification of applicant education or experience.
- Develop a communications strategy and assist marketing effort.
- Help improve international examinations.
- Identify international laboratory training programs
- Identify contacts in hospital labs & other lab sites who might be interested in ASCPi.

ASCP^{i} Certification

International Categories Currently Available	
Int. Medical Laboratory Technician	MLT(ASCP^{i})
Int. Medical Technologist	MT(ASCP^{i})
Int. Technologist in Molecular Biology	MB(ASCP^{i})
Int. Phlebotomy Technician	PBT(ASCP^{i})
Int. Technologist in Gynecologic Cytology	CTgyn(ASCP^{i})

ASCP^{i} Certification

International Categories Coming Soon	
International Technologist in Hematology	H(ASCP^{i})
International Technologist in Microbiology	M(ASCP^{i})
International Technologist in Cytotechnology	CT(ASCP^{i})
International Technologist in Chemistry	C(ASCP^{i})

STRONGERTOGETHER

ASCP & ASCP^{i} Certification

- Medical Laboratory Scientist (MLS)
- ***Medical Technologist (MT)***
- ***Medical Laboratory Technician (MLT)***
- ***Phlebotomy Technician (PBT)***
- Cytotechnologist (CT)
- ***Technologist in Gynecologic Cytology (CTgyn)***
- Specialist in Cytotechnology (SCT)
- Technologist in Blood Banking (BB)
- Specialist in Blood Banking (SBB)
- Technologist in Hematology (H)
- Specialist in Hematology (SH)
- Technologist in Microbiology (M)
- Specialist in Microbiology (SM)
- Histotechnician (HT)
- Histotechnologist (HTL)
- ***Technologist in Molecular Biology (MB)***
- Pathologists' Assistant (PA)
- Technologist in Chemistry (C)
- Specialist in Chemistry (SC)
- Technologist in Cytogenetics (CG)
- Diplomate in Laboratory Management (DLM)
- Donor Phlebotomy Technician (DPT)

ASCP BOC ASCP BOARD OF CERTIFICATION | ASCP^{i} INTERNATIONAL

ASCP^{i} Eligibility Routes

- Eligibility routes have been established for each of the international examinations offered.
- Eligibility is based upon completion of academic prerequisites and clinical laboratory education or experience.
  - Diploma/degree programs must be accredited/approved by a governing regulatory association or Ministry.

ASCP^{i} Eligibility Routes

- Countries without a prevalent system of accreditation/approval must have programs/educational institutions approved by an International Advisory Board appointed by the ASCP Board of Certification,

OR

- Eligibility of education will be determined by transcript evaluation.

ASCPi Eligibility Routes

Recent Changes to Eligibility Requirements for Lab Experience

Both U.S. ASCP and ASCPi eligibility requirements for laboratory experience were recently revised to include the following accreditations:

- Joint Commission International (JCI)
- accreditation under ISO 15189

ASCPi Eligibility Routes

What does the change mean for the International Applicant?

- It is possible for international applicants to qualify for U.S. national examinations through U.S. ASCP eligibility routes provided all other requirements are met.
- The changes to acceptable lab accreditations will make ASCP examinations more accessible to the international market.

ASCP^{i} Application

Applicants may complete application information using the ASCP International website and pay online by credit card or via mail with check or money order, or by wire transfer.

* Reduced exam fees of $95 USD available to applicants in designated resource limited countries and are automatically applied

ASCP^{i} Preparation

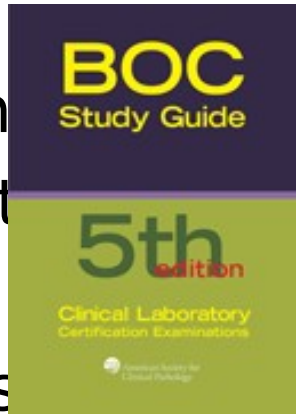
- **Examination Content Guidelines** serve as a useful guide for examination preparation and are available free of charge for all certification examination.
- **Reading lists** of suggested material to prepare for the examination are available for all certification categories.
- **BOC Study Guide** for MT or MLT exam preparation.

BOC Study Guide

The 5th edition of The BOC Study Guide –the authoritative study tool for preparing for the MLS/MT & MLT certification examinations.

Updated and expanded to include new section

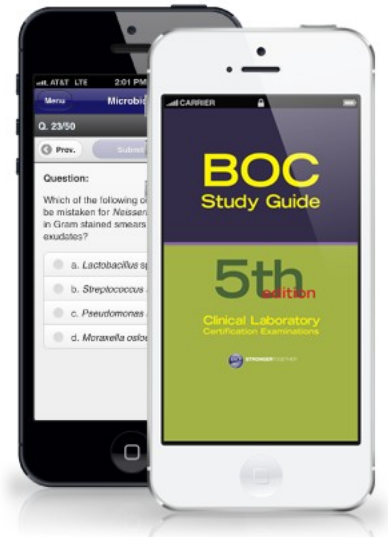
- Molecular Biology, Lab information & Safet
- Answers & explanations for each question
- More than 2,000 multiple-choice questions
- Organized to correspond to the major content areas on the exam



Guia de Estudio de la BOC, Solamente Version Electronica (PDF) $49

BOC Study Guide & App

- Now you can study for your BOC Clinical Laboratory Certification Exam from anywhere!
- Order the new BOC Study Guide Bundle: Study Guide Book & App for your iPhone or Android device.
  - Get instant feedback with Quiz or Flashcard Mode
  - Sort questions by sub-topic area or randomize all
  - Simulate a test scenario with Mock Exam Mod



About the ASCPi Exam

- **Format:** Multiple Choice – 100 Questions (MT, MLT, MB)
  PBT - 80 questions, CTgyn - 50 questions
- **Duration:** 2½ hours (MT, MLT, MB)
  PBT 2 hours, CTgyn 1.5 hours
- **Methodology:** Computer Adaptive Testing (CAT)
- **Content Areas:** The exam is administered according to the content percentages stated on the content outline.
- **Review:** You may review your test after all test questions have been answered.

About the ASCP[i] Exam

Computer Adaptive Testing (CAT)

- With CAT, when a person answers a question correctly, the next test question has a slightly higher level of difficulty.
- The difficulty level of the questions presented to the examinee continues to increase until a question is answered incorrectly.
- Then, a slightly easier question is presented.
- With CAT, the test is tailored to the individual's ability level.
- Each question in the exam pool is calibrated for difficulty and categorized by content area.

Example of CAT

1. A reliable test for distinguishing *Staph. aureus* from the other staphylococci is: coagulase. (Correct)
2. Which of the following casts is most likely to be found in healthy people? Hyaline casts (Correct)
3. The characteristic erythrocyte found in pernicious anemia is: microcytic (Incorrect)*

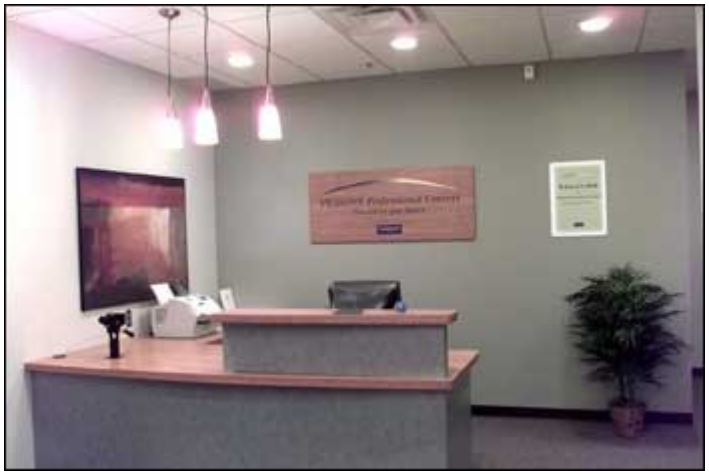
   **After an incorrect answer the test will revert back to an easier question*
4. All donor blood testing must include: serological test for syphilis. (Correct)

ASCPi

- Year round individual appointments (scheduling and test administration at Pearson Professional Centers).
- Fewer questions (80-100)
- Less time (2-2.5 hours)
- You may review your test once all test questions have been answered.
- Quicker score reporting
  - Immediate notification of PRELIMINARY “Pass” or “Fail” status
  - Official score report from BOC (5-10 days), certificate in 60 days.

Applicants schedule test day/time to take the examination directly with the Pearson VUE Center they wish to use.

Over 200 centers in the US and over 200 centers internationally.



Pearson VUE Professional Center

Testing Centers in Taiwan

Visit the Pearson website for ASCP examinations to identify a location that's convenient for you

Current Taiwan Testing Site

- Kaohsiung
- Taipei
- *Taichung

*Not available for scheduling online. Qualified individuals interested in testing at the Taichung location will need to schedule their examination using the phone number for the call center that will be listed on their admission letter once they are approved by ASCP for testing.

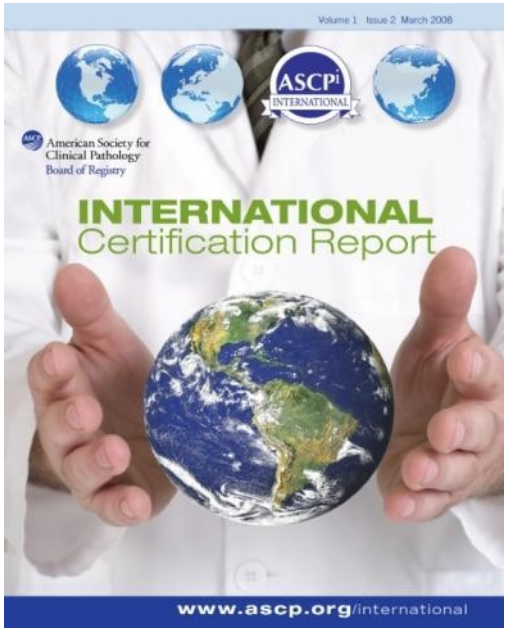
Taking the Test at a Prometric Administration Center

Only non-programmable calculators may be brought into the testing room. No cell phones.

Exam Workstation

Proctor Station

The latest international news can always be found in the International Certification Report, published quarterly!



ASCPi Benefits

- **Increases recognition** from employers, peers and other healthcare professionals.
- **Adds value** to the laboratory accreditation process.
- **Opens doors** for foreign educated and trained lab personnel with an international credential to become more competitive when seeking job placement at home or abroad.

ASCP^{i} & CMP

- The ASCP BOC developed the **Certification Maintenance Program (CMP)** to demonstrate to the public that laboratory professionals with this designation are performing activities to stay current in their profession.
- CMP is required for all individuals who are ASCP^{i} certified beginning January 1, 2012.
- Participation in the CMP is required every three years in order to maintain certification.

Verification of Certification

The ASCP BOC offers a variety of programs and services to support you post certification.

- Primary source verification of certification for a third party (i.e., licensure board, employer)
- Replacement wall certificate
- Guide to the citation of your credentials

ASCPi Member Benefits

ASCPi certificants are granted a period of free membership to ASCP.

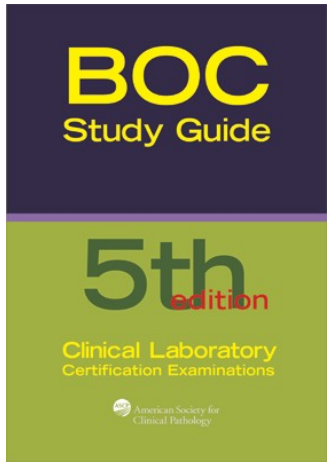
- Membership card
- Membership certificate
- Membership seal

ASCPi Member Benefits

Member discounts on ASCP education products.

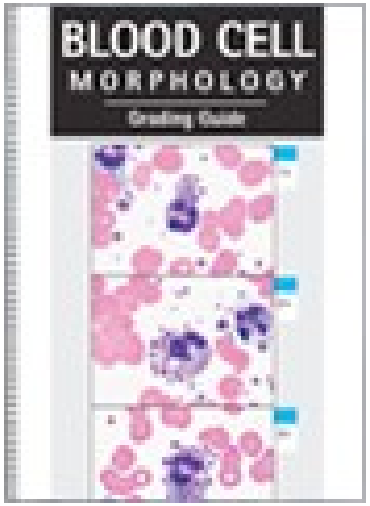
- ASCP online learning offers personalized continuing education to suit your needs.
- Educational activities covering a wide range of specialty areas including:
  - on-demand webcasts
  - e-courses
  - online case studies
  - journal articles

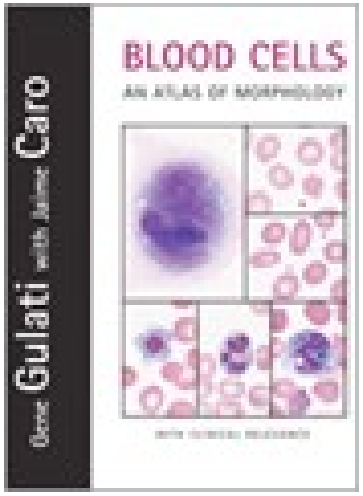
ASCPi Member Benefits

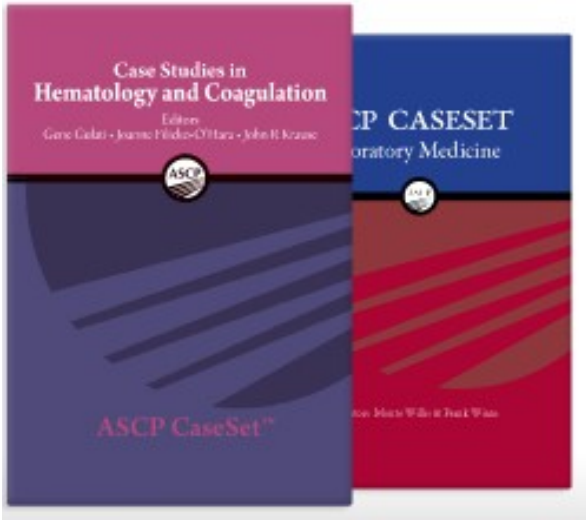


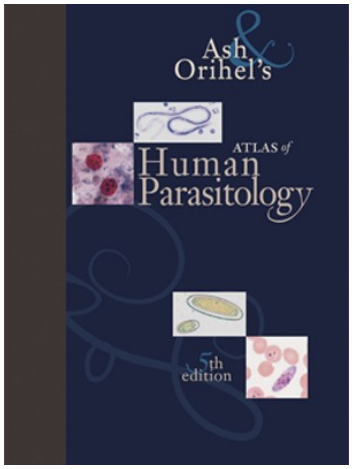
Publications

- 268 Titles
- >2 million books sold









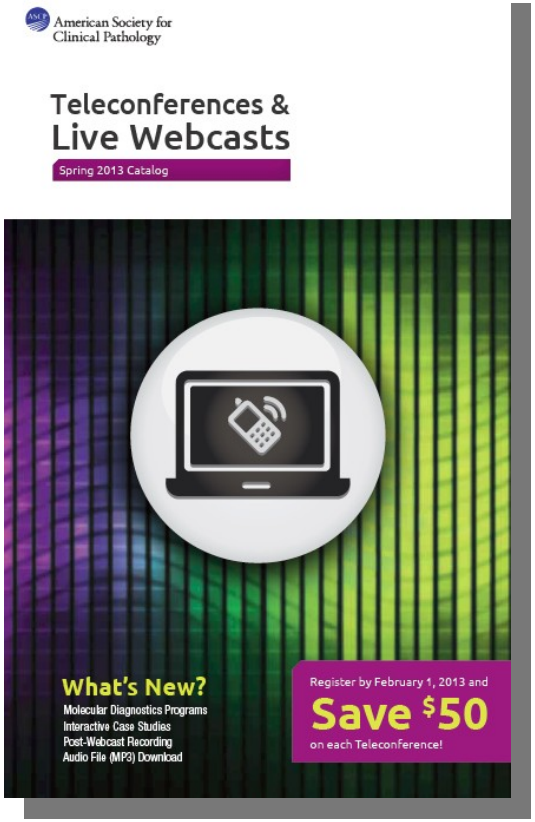
ASCPi Member Benefits

Six free credits for online continuing education courses.

LAB MANAGEMENT UNIVERSITY

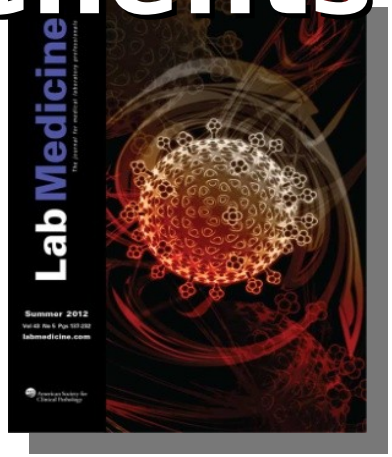
APF ASCP

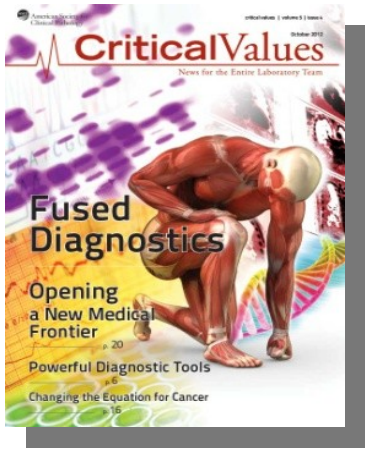
Laboratory Management University (LMU) is a **new certificate program** that improves competency in laboratory management.



ASCPi Member Benefits

- ***LabMedicine*** is ASCP's quarterly periodical dedicated to providing continuing education, career development, and new technologies to laboratory professionals.
- ***CriticalValues*** is ASCP's quarterly magazine with news and features covering trends of interest to pathologists and laboratory professionals alike.





U.S. Immigration

- Applicants planning to immigrate to the U.S. should plan on taking the U.S. ASCP exam.
- U.S. employers are responsible for making equivalency decisions when hiring ASCP^{i} certificants.
- ASCP^{i} certificants immigrating to one of the states requiring licensure may need to take a state approved examination.
- ASCP^{i} may not be recognized in all licensure states.
- Licensure States: **CA, HI, FL, ND, RI,**

U.S. Immigration

- Individuals desiring to immigrate to the U.S. based on their ASCPi certification must still apply for an **H1-B Visa** and obtain a **VisaScreen certificate (www.cgfns.org).**

- Test of English as a Foreign Language (TOEFL) scores required for immigration purposes through **VisaScreen**, but TOEFL scores are not required to take the ASCPi exam.

More Information

For further information:

Visit the ASCP/ASCPi booth!

OR

Go to the ASCP international website at:

http://www.ascp.org/international

OR

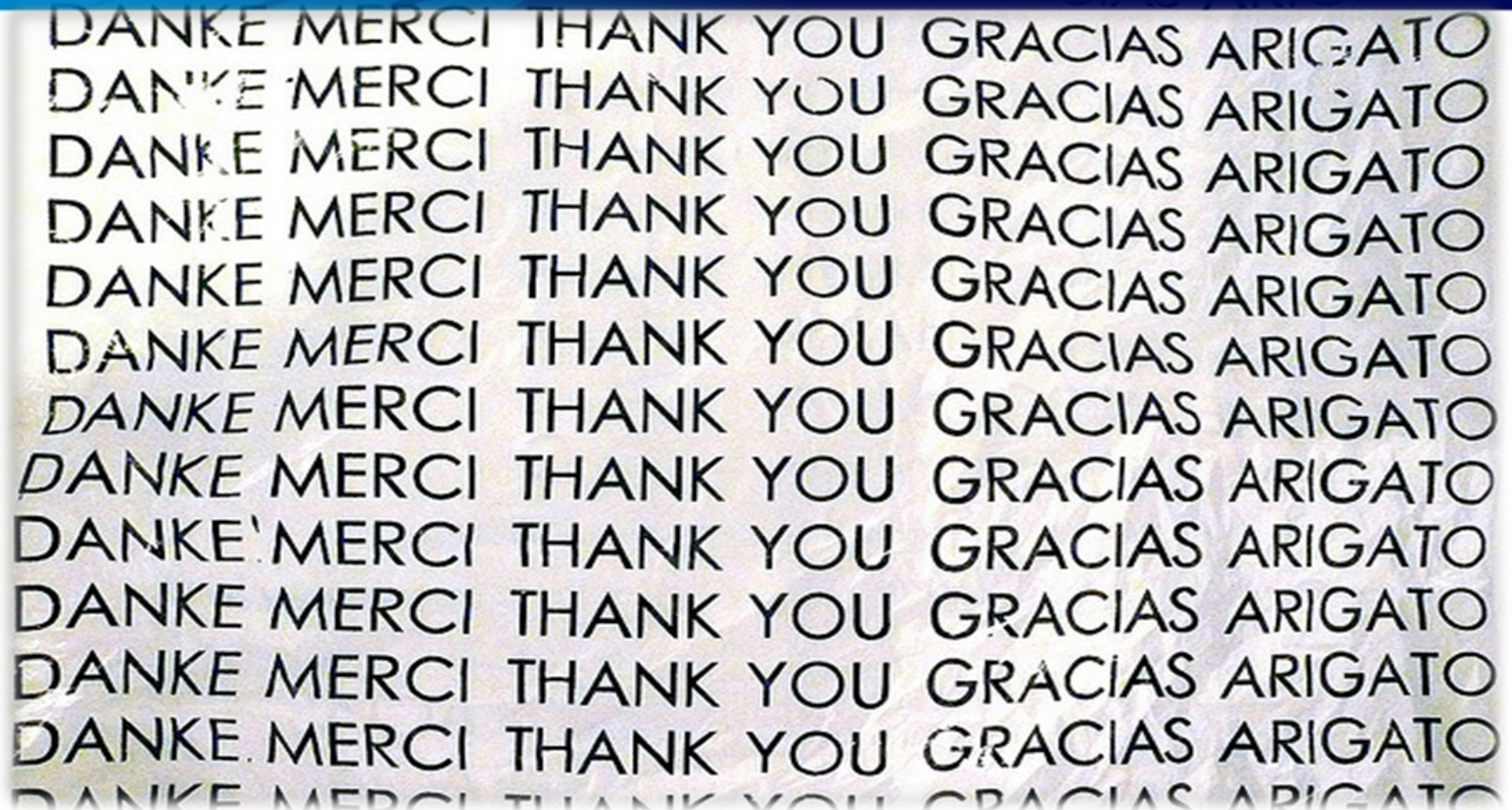
Contact Jennifer Young, CT(ASCP)CM
Director of ASCP International Activities
Jennifer.Young@ascp.org

Conclusion

- ASCP BOC provides certification for educated and trained laboratory professionals across the globe using the time-tested and proven gold standard certification program.
- ASCP BOC is committed to public health and patient safety by certifying competent international laboratory professionals on behalf of patients worldwide

Questions

ASCP BOC ASCP BOARD OF CERTIFICATION | ASCPi INTERNATIONAL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